# **TRAINING**

## Performance Levels (PL) according to EN ISO 13849 and SISTEMA software



## **Description and purpose**

The course aims to teach participants about the following aspects regarding calculating the safety function performance levels according to standard EN ISO 13849-1:

- Acquire detailed knowledge of the harmonised standard 13949 part 1.
- Calculate the performance levels of the safety functions using IFA SISTEMA software.

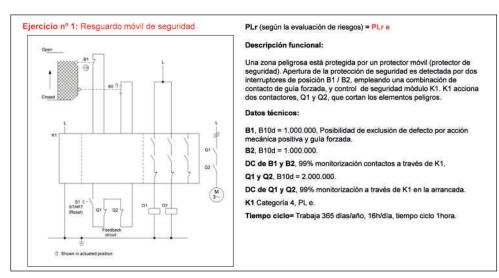
#### Intended for:

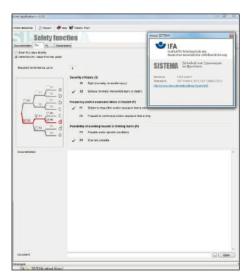
- Machine or process safety function designers.

The course is suitable for technical personnel, project managers, safety personnel, safety officers, etc., who have to calculate or have detailed knowledge of the safety function performance levels of machines or processes.

## **Examples**

Some examples of the course contents are shown below:





IFA SISTEMA software

### Example of a safety function to be calculated

## Contents / agenda

## Day 1 (morning 5H):

- Safety-related parts of control systems. EN ISO 13849 part 1: general principles for design.
- Operation of the SISTEMA software.
- Libraries for SISTEMA.

### **Documentation**

Each student will receive a paper dossier of the course contents, in A4 colour and in Spanish.

A certificate of attendance will be issued.

#### Day 1 (afternoon 3H):

- Examples of SISTEMA.
- Calculating the safety functions of a sample machine.

## **Speakers**

The speakers will be engineers specialising in machinery safety from the company i9s, S.A.

